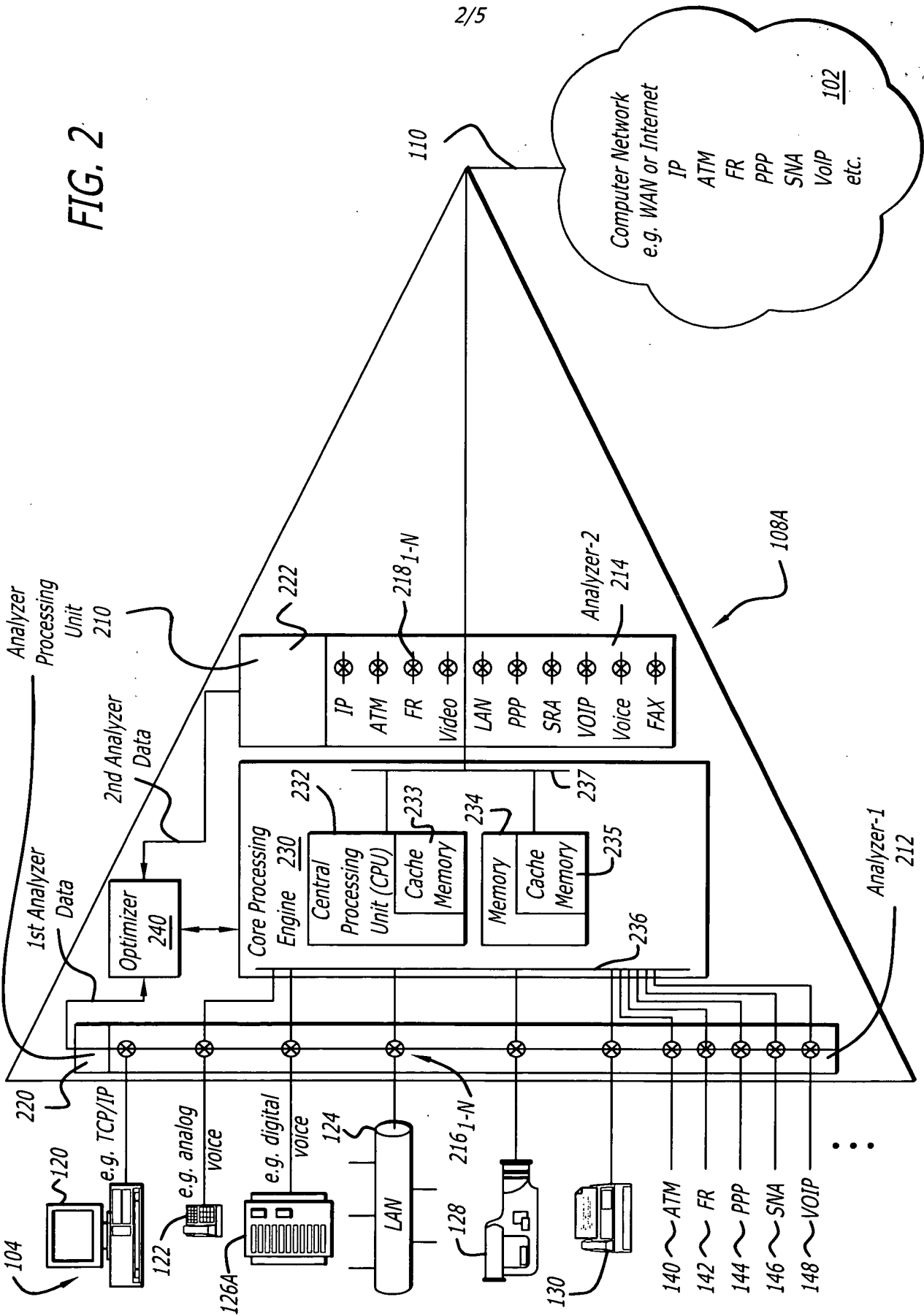


FIG. 1



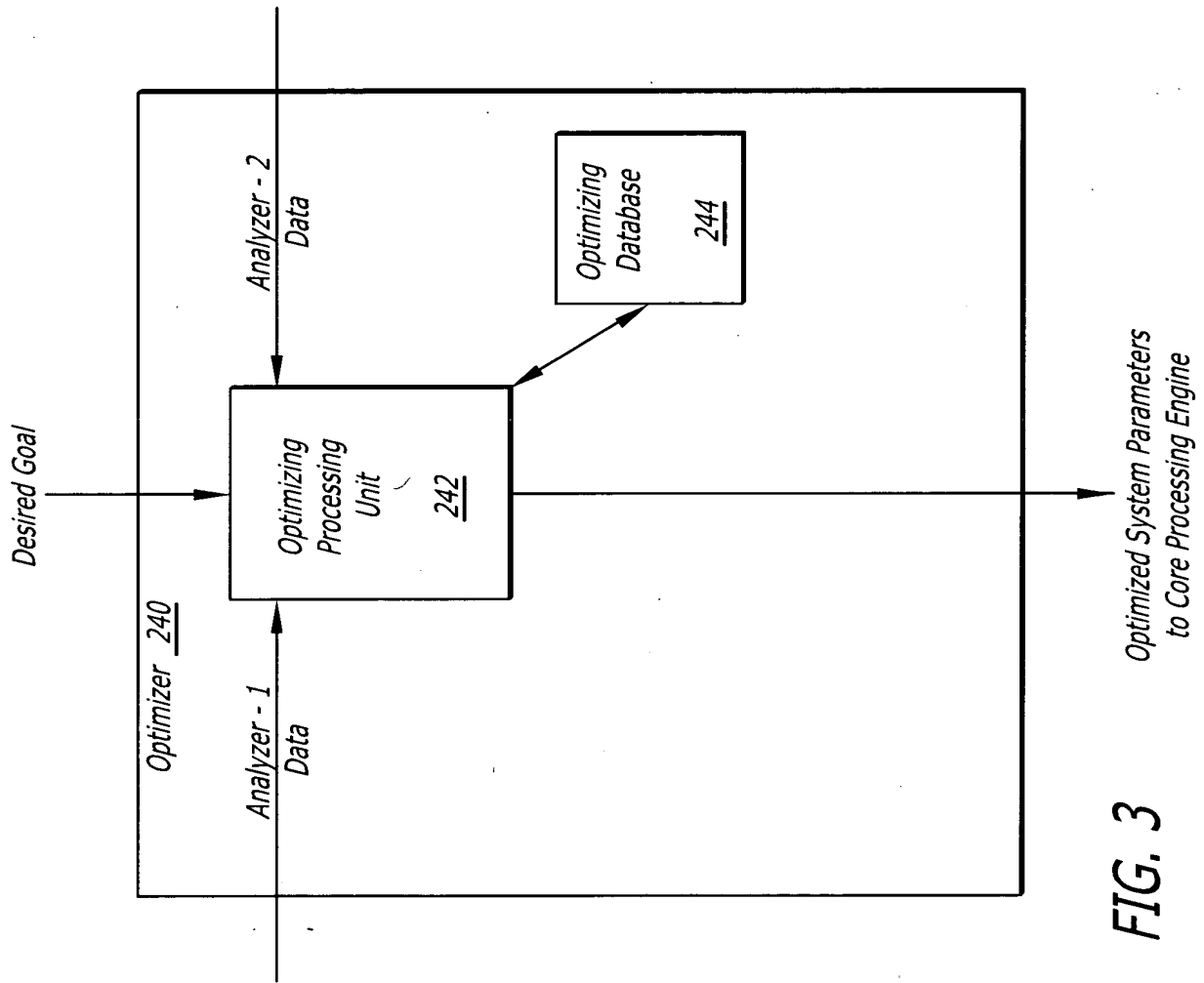


FIG. 3

Optimized System Parameters  
to Core Processing Engine

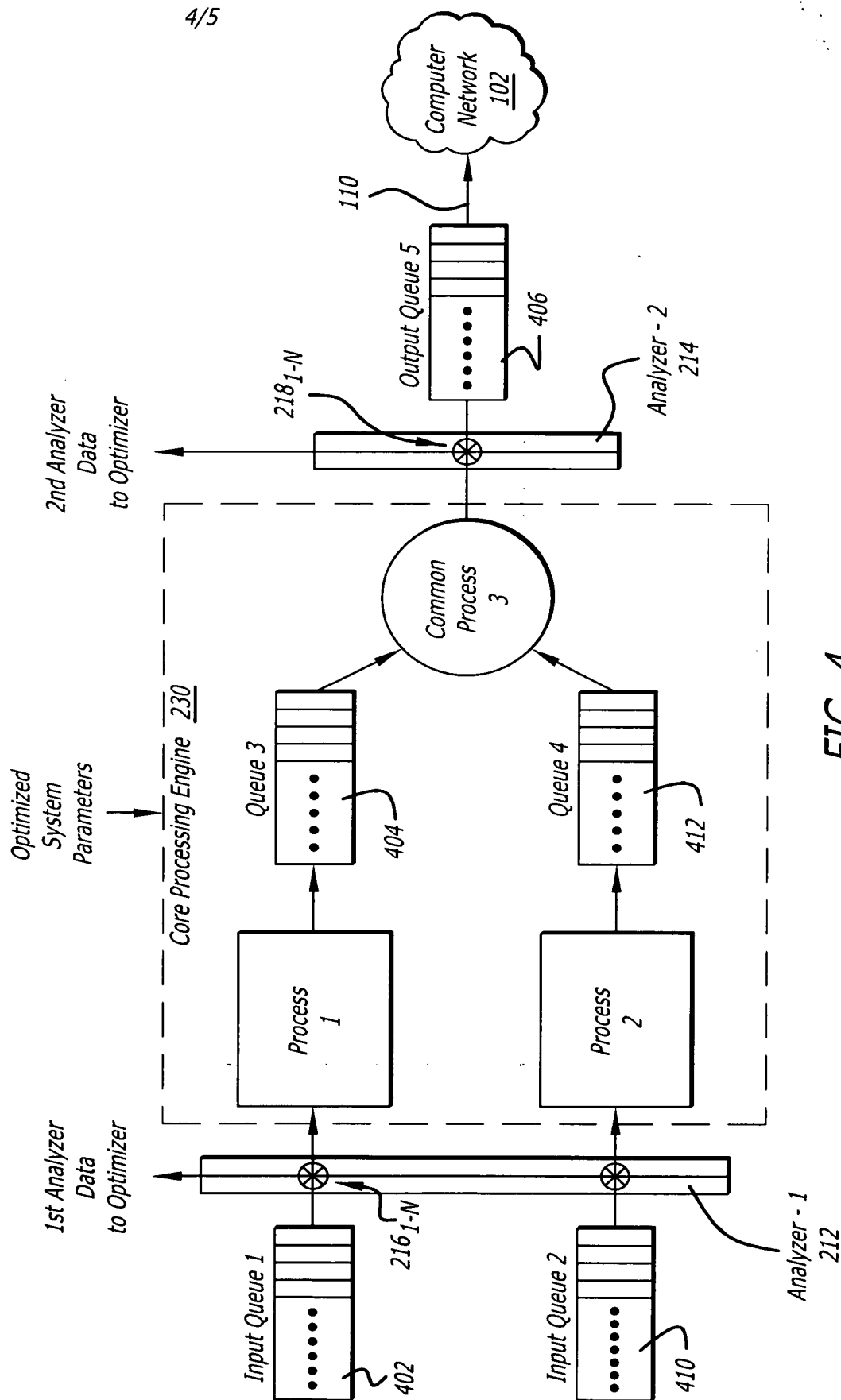


FIG. 4

Goal	Queue 1	Process 1	Queue 3	Process 3	Queue 5	Queue 2	Process 2	Queue 4
ROW 1	Queue 1 = Voice (High Priority)	High Scheduling Priority Large CPU Allocation Large Cache Allocation	Queue = Small	High Scheduling Priority Favor Queue 3 Large CPU Allocation Large Cache Allocation If Congestion Discard Queue 4	Queue = Small	Queue = Large	Low Scheduling Priority Small CPU Allocation Small Cache Allocation	Queue = Large
ROW 2	Queue 2 = Financial Data via SNA (Low Priority)	Low Scheduling Priority Small CPU Allocation Small Cache Allocation	Queue = Large	High Scheduling Priority Favor Queue 4 Large CPU Allocation Large Cache Allocation If Congestion Discard Other Queue	Queue = Large	Queue = Large	High Scheduling Priority Large CPU Allocation Large Cache Allocation	Queue = Large
ROW 2	Queue 1 = Internet Traffic via IP (Low Priority)	Low Scheduling Priority Small CPU Allocation Small Cache Allocation	Queue = Large	High Scheduling Priority Favor Queue 4 Large CPU Allocation Large Cache Allocation If Congestion Discard Other Queue	Queue = Large	Queue = Large	High Scheduling Priority Large CPU Allocation Large Cache Allocation	Queue = Large

FIG. 5